



"Every User
Is a Booster"

"Oliver" No. 222 Furniture Clamp

"Best Furniture Clamp Ever Produced"



"Swivel Button"



"Swinging Face"



Complete Clamp as Regularly Furnished

Design

The "Oliver" No. 222 Woodworker's Clamp is the result of careful study into the idiosyncrasies of various woodworking trades, more especially the furniture industries. The expert who originated and perfected this clamp is well known among Grand Rapids furniture workers as a mechanical genius. He worked painstakingly for two years in studying, designing, experimenting, testing and changing until the perfected and standardized clamp herewith was pronounced the most perfect, the most convenient and the most economical woodworker's clamp obtainable. A trial will convince you.

Details

The bar is $1\frac{1}{8}'' \times 1\frac{3}{4}''$, made of selected straight grain Michigan Hard Maple, air seasoned and kiln dried. The screw is of high carbon steel with uniform thread. The nut is of phosphor bronze, right length to assure wear. The clamping heads can be furnished either malleable iron or aluminum; in either

case, they are faced with replaceable maple blocks. No better material can be used.

Features

The bar is light—easy to handle. Both head and tail blocks are easily removed from any bar and located on any other length bar. Clamping faces are rectangular making it possible to clamp close to the bar or at any point within two inches. Clamping pressure is applied close to the bar. Large ferruled handle provides a good grip. Bronze nut is long and easily replaceable. Tail block has safety pin to prevent bending the head too far back and breaking the spring. Tail block spring is flat and easy sliding. Either "swinging face" or "swivel button" (sold as extras) can be easily and quickly mounted on either the tail or the head block, or both, to suit special work. All parts are interchangeable.

Capacity

Size of clamping face, $1'' \times 1\frac{7}{8}''$; length between jaws, 6" shorter than length of bar.

Code	Mobp	Mobq	Mobr	Mobs	Moht	Mohu	Mobv	Mobw	Moby
Length of bar.....	2' 6"	3'	4'	5'	6'	7'	8'	9'	10'
Weight each.....	3 lbs.	3½ lbs.	4 lbs.	4½ lbs.	5 lbs.	5½ lbs.	6 lbs.	6½ lbs.	7 lbs.

Oliver Machinery Co.

Grand Rapids, Mich., U. S. A.

BRANCH SALES OFFICES:

New York, St. Louis, Minneapolis, Los Angeles, San Francisco,
Chicago, Denver, Salt Lake City, Seattle, Manchester, Eng.



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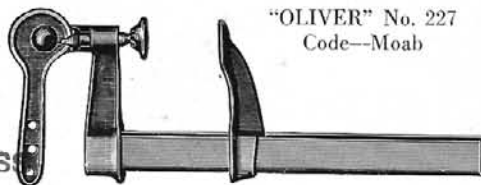
"Oliver" Handy Clamp

No. 227 Eccentric Lever or No. 228 Screw Type

U Bar — All Steel

Made of the best open hearth steel plate pressed into U form while cold, which process stiffens the bar. Has a fixed head supporting an eccentric lever, and a movable jaw which has a strong fixed tongue pressing in the bottom of the U bar, making a broad strong grip.

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"OLIVER" No. 227
Code—Moab

SIZE OPENS	REACH OF JAW	U BAR SIZE
6"	2 1/8"	1 "
8"	2 3/4"	1 1/8"
10"	2 3/4"	1 1/8"
12"	2 3/4"	1 1/8"

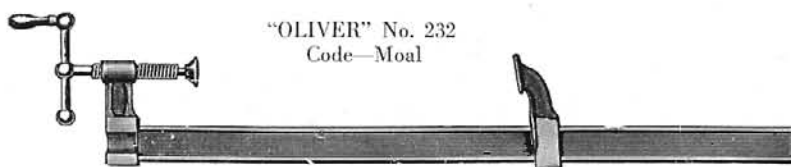
"Oliver" Cabinet Clamp

No. 231 Eccentric Lever or No. 232 Screw Type

I Bar — All Steel



"OLIVER" No. 231
Code—Moak



"OLIVER" No. 232
Code—Moal

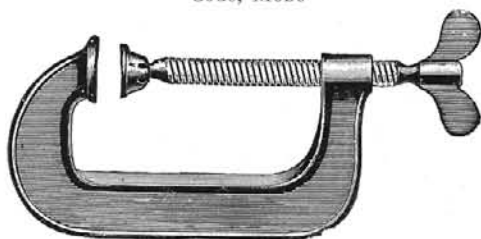
This long steel bar is double flanged on each side, making it light and portable and greatly increasing its strength, and the flanges prevent its twisting. It has a fixed head supporting an eccentric lever with improved movable jaw, instant in action, perfect in work. Made with a crank or bar screw when desired.

The I bar is 1 1/4" x 1/2"; reach from bar to center 2".

Sizes 18", 24", 30", 36", 48", 60", 72", 84", 96".

No. 225 "Oliver" "C" Clamp

Code, Mobo



This malleable iron screw "C" clamp is well proportioned, strong and durable.

Screws furnished with swivel button.

Finished in japan.

Sizes 3", 4", 6", 8", 10", 12".

No. 226 "Oliver" Miter Clamp

Code, Mobu

One motion of the cam sets the miter and firmly clamps it in place, the pressure being made direct on the clamp jaw giving it great power. Special attention has been given the design to make it light as well as strong. Positive in action, easy to apply, no springs to get out of order. Made of best refined malleable iron with tempered drill steel spurs.

